

## Message Text

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ACTION EB-06

INFO OCT-01 CIAE-00 COME-00 DODE-00 NSAE-00 RSC-01 TRSE-00

EUR-12 AEC-05 ISO-00 MC-01 OES-03 EA-06 /035 W

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R 151247Z NOV 74

FM USMISSION OECD PARIS

TO SECSTATE WASH DC 4316

C O N F I D E N T I A L SECTION 01 OF 02 OECD PARIS 27175

EXCON

E.O. 11652: XGDS1

TAGS: ESTC, COCOM

SUBJECT: COCOM LIST REVIEW: DIODES AND THYRISTORS-  
IL 1544

REF: COCOM DOC. REV (74) 5

SUMMARY: UK GLOBAL COUNTERPROPOSAL TO ITALIAN,  
JAPANESE AND DUTCH PROPOSALS IN IL 1544, INCLUDING  
TRANSFER OF THYRISTORS TO SEPARATE NEW ITEM (1500.2)  
DISCUSSED BY COCOM NOVEMBER 13/14. ALL DELEGATIONS,  
EXCEPT US WHICH RESERVED IN ABSENCE OF INSTRUCTIONS,  
AGREED IN ESSENCE WITH UK PROPOSAL. ACTION REQUESTED:  
AUTHORIZATION TO LIFT US RESERVE IN ROUND TWO OR  
SOONER, OR EARLY INSTRUCTIONS TO SUBMIT US COUNTER-  
PROPOSAL WHICH TAKES ACCOUNT OF OTHER MEMBER'S  
COMMENTS. END SUMMARY.

1. AT NOVEMBER 13 COCOM MEETING GERMANY' ITALY' CANADA,  
(AD REF) AND JAPAN (AD REF) ACCEPTED UK PROPOSAL FOR  
REDEFINITION OF IL 1544 IN TOTO. BELGIUM WAS OPEN  
MINDED. US ENTERED GENERAL RESERVE. FRENCH AND DUTCH  
REQUESTED POINT-BY-POINT DISCUSSION.

2. DUTCH AGREED ON ALL SUB-ITEMS ALTHOUGH MADE THIS  
SUBJECT TO FORMULATION OF ADMINISTRATIVE NOTE TO PERMIT  
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EXPORT OF CERTAIN SCHOTTKY BARRIER AND MICROWAVE BULK

EFFECT DIODES (SEE BELOW). DUTCH ALSO QUESTIONED CITATION IN COCOM LISTS OF "DATA BOOK" DEFINITION OF FIGURE OF MERIT Q, AND UK AGREED TO FORMULATE REVISED PROPOSAL WHICH EITHER REPRODUCED THIS DEFINITION FOLLOWING EXCLUSION PASSAGE OR CITED SOME "NON-COMMERCIAL" SOURCE.

3. FRENCH AGREED TO SUB-ITEM (A), (B), (C) AD REF, (D) AD REF, AND (E).

4. UK RESPONSE TO DUTCH CONCERN FOR SHOTTKY BARRIER AND MICROWAVE BULK EFFECT DIODES WITH CIVIL APPLICATIONS WAS AN AE NOTE FOR "DEFINED CIVIL USE (INCLUDING, BUT NOT LIMITED TO, TRAFFIC COUNTING AND INTRUDER ALARMS)" FOR SHOTTKYS WITH OPERATING FREQUENCY OF 12.5 GHZ OR LESS AND MICROWAVE BULK EFFECT DIODES WITH SAME OPERATING FREQUENCY LIMITATION AND OUTPUT POWER OF 500 MILLIWATT OR LESS. ON THIS PROPOSAL DUTCH, JAPANESE, ITALIANS, GERMANS AND CANADIANS ACCEPTED; BELGIANS WERE OPEN MINDED, AND US AND FRANCE RESERVED (LATTER NOTING THAT AN PROVISIONS WENT BEYOND INSTRUCTIONS.)

5. UK THYRISTOR PORTION OF THE PACKAGE (REF), WITH MODIFICATIONS TO SATISFY DUTCH ON SUB-ITEM (A) RE CALCULATION FORMULA AND JAPANESE ON MICROSECOND/FIGURE OF MERIT FIGURES IN SUB-ITEM (C), WAS ALSO ACCEPTED BY ALL PC'S (JAPAN AND CANADA AD REF) EXCEPT US WHO

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RESERVED FOR LACK OF INSTRUCTIONS.

6. JAPANESE, IN CASTING VOTE, REMARKED RE (C) THAT THEY BELIEVE THAT THYRISTORS WITH FIGURE OF MERIT GREATER THAN 4 ARE WIDELY USED IN TV RECEIVERS. REVISED UK THYRISTOR DEFINITION PROPOSAL FOLLOWS:

A. DESIGNED FOR USE IN PULSE MODULATORS HAVING A RATED TURN-ON TIME OF LESS THAN 1 MICROSECOND WHERE THE RATED REPETITIVE PEAK ON-STATE (SQUARE WAVE) CURRENT EXCEEDS 100A;

B. HAVING RATED TURN-OFF TIME OF LESS THAN 1 MICRO-SECOND;

C. HAVING RATED TURN-OFF TIME OF FROM 1 TO 3 MICRO-SECONDS AND HAVING FIGURE OF MERIT GREATER THAN 4;

D. HAVING A RATED TURN-OFF TIME OF FROM 3 TO 10 MICRO-SECONDS AND HAVING FIGURE OF MERIT GREATER THAN 10.

THE NOTE IN COCOM DOC. REV (74) 1500.2/W.P. 1 ALSO PART OF REVISED UK THYRISTOR PACKAGE.

7. PC'S WHO SUBMITTED PROPOSALS ON 1544 TOOK ACTIVE PART IN THE DISCUSSIONS, PARTICULARLY THE DUTCH AND ITALIANS WHO BASED THEIR POSITIONS FOR FREEING CERTAIN DEVICES, WHICH, THEY CONTENDED WERE NOW WIDELY USED IN SUCH CIVILIAN APPLICATIONS AS TV RECEIVERS, ETC. UK, OBVIOUSLY SYMPATHETIC TO DUTCH/ITALIAN VIEWS AND TAKING ADVANTAGE OF THE MOMENTUM GAINED BY ITS COUNTERPROPOSAL, CONFIDENTIAL

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ACCOMMODATED BY ON-THE-SPOT DRAFTING OF THE AN AND REVISION OF THE THYRISTOR PART. UK RATIONALE FOR ITS COUNTERPROPOSAL WAS SIMPLIFICATION OF THE ENTRIES, CIVIL USES OF THE DEVICES, AND BLOC CAPABILITIES.

8. COMMENT: USDEL AND WASH TEAM ARE OF THE OPINION THAT THE US WILL NOW BE HARD PRESSED TO REVERSE THE GAINS MADE BY THE UK COUNTERPROPOSAL. THIS IS THE PRICE TO BE PAID FOR COMING IN WITHOUT A POSITION PERMITTING SOME ROOM TO MANEUVER.

9. ACTION REQUESTED: FORMULATION OF A US POSITION FOR ROUND II.

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## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 JAN 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** IL 1544, SEMICONDUCTOR DEVICES  
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**Copy:** SINGLE  
**Draft Date:** 15 NOV 1974  
**Decaption Date:** 01 JAN 1960  
**Decaption Note:**  
**Disposition Action:** RELEASED  
**Disposition Approved on Date:**  
**Disposition Authority:** cunninfx  
**Disposition Case Number:** n/a  
**Disposition Comment:** 25 YEAR REVIEW  
**Disposition Date:** 28 MAY 2004  
**Disposition Event:**  
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**Reference:** COCOM DOC. REV (74) 5  
**Review Action:** RELEASED, APPROVED  
**Review Authority:** cunninfx  
**Review Comment:** n/a  
**Review Content Flags:**  
**Review Date:** 02 MAY 2002  
**Review Event:**  
**Review Exemptions:** n/a  
**Review History:** RELEASED <02 MAY 2002 by rowelle0>; APPROVED <18 MAR 2003 by cunninfx>  
**Review Markings:**

Declassified/Released  
US Department of State  
EO Systematic Review  
30 JUN 2005

**Review Media Identifier:**  
**Review Referrals:** n/a  
**Review Release Date:** n/a  
**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** COCOM LIST REVIEW: DIODES AND THYRISTORS- IL 1544  
**TAGS:** ESTC, COCOM  
**To:** STATE  
**Type:** TE  
**Markings:** Declassified/Released US Department of State EO Systematic Review 30 JUN 2005